What is claimed is:

1. A frame of a reciprocating compressor comprising:

a main frame having a cylindrical insertion hole configured to receive a cylinder of a compression unit along a center axis thereof and a flange to support an outer stator of a reciprocating motor at the outer circumference of the flange; and

a sub frame engaged to the main frame by an engaging device and positioned to cover an outer circumferential surface of the cylinder to form an oil flow path at a space between the main frame and the cylinder.

2. The frame of claim 1, wherein the main frame is configured in a disc shape, and the sub frame engaged thereto is configured as a cylindrical shape.

3. The frame of claim 1, wherein the engaging device is comprises nuts and bolts.

4. The frame of claim 1, wherein the engaging device comprises a weld.

5. The frame of claim 1, wherein a flange is formed at one end portion of the sub frame and is configured to engage with the main frame, and an inner stator installation surface to receive an inner stator is provided at the other end portion of the sub frame.

6. The frame of claim 5, wherein a stopping step that fixes the inner stator is formed at one side of the inner stator installation surface and a stopper is formed at another side thereof.

7. The frame of claim 1, wherein an oil flow path closing unit is provided by a bend at an end portion of the cylinder.

8. The frame of claim 1, wherein the main frame and the sub frame are formed of non-magnetic materials.